



**WATER MANAGEMENT DIVISION  
MONTHLY REPORT**

**Information Exchange Bulletin**

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**RESERVOIR OPERATION AND SYSTEM STATUS  
FOR MARCH 2000**

**HIGHLIGHTS** – Cairo began the month at 38.2' and ended at 22.3'. Normal stage for March is 35 feet.

**WEATHER** – The weather during March was warm and dry. The above normal temperatures of February continued into March as record daily high temperatures were observed on March 8<sup>th</sup> for much of the basin. Precipitation, however, was below normal for this month. February had above normal precipitation primarily due to one heavy rainstorm. So the basically dry conditions of the winter have continued through March. The basin averaged about 75 percent of normal precipitation.

The following table summarizes temperature and precipitation for March:

**TEMPERATURE AND PRECIPITATION – MARCH 2000**

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	45.4	+6.0	2.26	-1.10
Charleston, WV	49.1	+3.2	2.26	-1.37
Columbus, OH	45.9	+5.9	2.65	-0.58
Cincinnati, OH	46.8	+5.0	3.34	-0.61
Louisville, KY	51.4	+5.1	3.55	-1.11
Indianapolis, IN	47.0	+5.6	1.64	-2.15
Evansville, IN	48.0	+2.2	3.21	-1.50

Nashville, TN	53.1	+2.9	3.34	-1.51
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**STREAMFLOW** -- Ohio River monthly average flows for March ranged from a low of 63 percent of normal at Paducah, KY to a high of 70 percent of normal at Evansville, IN. Daily flows ranged from a low of 20 percent of normal at Evansville, IN to a high of 113 percent of normal at Paducah, KY.

The following table presents the flow data summary for March at the Ohio River Index Stations:

**FLOW DATA – MARCH 2000**

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	57,869	70	106	30
Huntington, WV	137,110	65	89	27
Cincinnati, OH	178,220	66	95	23
Louisville, KY	209,660	68	93	22
Evansville, IN	243,630	70	93	20
Paducah, KY	465,100	63	113	21

**RESERVOIRS** -- March started with 5.1% utilization of the total system flood control storage and ended the month at 4.7%. System-wide augmentation storage decreased from 99.2% at the beginning of the month to 99.0% by the end of the month. Significant flood storage utilization in excess of 25% occurred at 2 reservoir projects during March, 27.6% at Tygart and 29.8% at Mosquito Creek.

The following table depicts storage change by tributary reservoir subsystem for March:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+176,000

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+104,300
Twelvepole-Big Sandy-Little Sandy-Scioto	+26,600
Little Miami-Licking-Mill Creek-Great Miami	-31,700
Kentucky-Salt-Green-Wabash	+28,000
Cumberland	+1,020,600
<b>TOTAL</b>	<b>+1,323,800</b>

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